

PHOTO LOG

Watershed: _____

Date: _____

Stream(s): _____

Investigators: _____

Camera ID: _____ (If using non-digital camera, start new sheet for each new roll of film)

[illegible]

u/s = upstream; d/s = downstream; RB, LB = right bank and left bank (when looking d/s)

DEFICIENT BUFFER AREAS (within 50 feet of Streambank)

Reach ID: _____

Date: _____

Watershed: _____

Investigators: _____

Stream(s): _____

Buffer ID	Bank looking d/s	Photo #	Linear Feet with	Buffer Type of Non-Forest Area	Impact Score	Buffer Restoration Candidate
Ex. ABC01.B##	(circle one)		Forest Buffer Less than 50' width	1. Forbs 2. Lawn 3. Pavement 4. Pasture 5. Cultivated Crop 6. Meadow 9. Other (specify)	(See Below)	(Circle one)
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
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	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No

Impact Scoring:

Extreme -- impervious/commercial area in close proximity to stream; banks may be modified or engineered. Stream character (bank/bed stability; sediment deposition, and/or light penetration) is obviously degraded by adjacent use. 10

Severe -- some impervious and/or just turf up to bank and water; very little vegetation aside from turf within 25' zone; may be home site very close to stream; stream character probably degraded by adjacent use. 7

Moderate -- encroachment mostly from residential uses and yard; some vegetation within 25' zone, but very little aside from turf within remainder of 100' zone; stream character may be changed slightly by adjacent use. 5

Minor - Vegetated buffer primarily consists of native meadow. (Not Grazed) 2

None -- Vegetated buffer primarily intact within 100' [DO NOT RECORD NOR TAKE PICTURES] 0

Notes:

- Record only scores of 2 or greater.
- Photograph all recorded buffer areas.

Restoration Potential

High -- Potential project is of good size (more than one or a couple of residential yards), would not involve easements in residential yards, involves one or a few properties, appears to have good access, and would provide good benefit to stream.

Moderate -- Potential project is of good or fair size, involves just a few properties, may include but is not confined to small residential yards, appears to have access, and would benefit stream.

Low -- Potential project is small OR is confined to small residential yards, appears to have access issues OR is not critical for character of stream.

EROSION PROBLEMS

Reach ID: _____

Date: _____

Watershed: _____

Investigators: _____

Stream(s): _____

Bank Erosion ID Ex. ABC01.E##	Bank looking d/s (circle one)	Photo #	Eroded Bank Height (ft)	Linear Feet	Impact Score (See Below)	Restoration Potential (Circle one)
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
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	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No
	Left / Right					High / Mod / Low / No

Impact Scoring:

Extreme – impending threat to structures or infrastructure 10

Severe – large area of erosion that is damaging property and causing obvious instream degradation. Eroding bank is generally 5' or greater in height. 7

Moderate -- moderate area of erosion that may be damaging property and causing some instream degradation. Eroding bank is generally 2-3' or greater in height. 5

Minor – minor area of erosion, low threat to property, no noticeable instream degradation. 0
[DO NOT RECORD NOR TAKE PICTURES]

Notes:

1. Record only moderate, severe, and extreme erosion problems.
2. Photograph all recorded erosion problems with a score of 5 or greater.

Restoration Potential

High -- Potential project is of good size (more than one or a couple of residential yards), would not involve easements in residential yards, involves one or a few properties, appears to have good access, and would provide good benefit to stream.

Moderate -- Potential project is of good or fair size, involves just a few properties, may include but is not confined to small residential yards, appears to have access, and would benefit stream.

Low -- Potential project is small OR is confined to small residential yards, appears to have access issues OR is not critical for character of stream.

OBSTRUCTIONS

Reach ID(s): _____

Date: _____

Watershed: _____

Investigators: _____

Stream(s): _____

Obstruction ID	Photo #	Type	Fish Passage Restriction	Impact Score
Ex. ABC01.T##		1. Trees 2. Debris 3. Sediment 4. Concrete 5. Riprap 6. Beaver Dam 7. Utility Line 99. Other (Specify)		(See Below)
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	
			Yes / No	

Scoring:

Severe:	Blockage causing significant erosion problem and/or potential for flooding that can cause damage to infrastructure . Stream usually almost totally blocked (>75%).	10
Moderate:	Blockage is causing moderate erosion and could cause flooding. Stream partially blocked, but obstruction should probably be removed, because problem could worsen.	5
Minor:	Blockage is causing some erosion problems but does have potential to worsen and probably should be looked at/or monitored.	3
None	Beaver dam exists, but is not causing any erosion.	0

Notes:

- Obstructions that partially block stream but are not causing erosion problems or that may even be beneficial to instream habitat should not be identified **with the exception of beaver dams**. **All beaver dams should be recorded.**
- Photograph all recorded obstructions.

DUMP SITES / HEAD CUTS

Reach ID(s): _____

Date: _____

Watershed: _____

Investigators: _____

Stream(s): _____

Dump Site ID	Bank looking d/s	Photo #	Location	Description of Materials	Impact Score
Ex. ABC01.M##	(circle one)		1. Instream 2. Bank 3. Floodplain 99. Other	1. Appliances 2. Trash 3. Petroleum 4. Tires 5. 55-gal Drums (Closed) 6. 55-gal Drums (Leaking) 7. 55-gal Drums (Empty) 8. Domestic Animals in Stream 9. Lawn waste (leaves, grass) 99. Other (Specify)	(See Below)
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				
	Left / Right				

Scoring:

Active and/or Threatening: Material may be considered toxic or threatening to environment (concrete, petroleum, empty 55 gal. Drums etc.) or site is large (>2,500 s.f. (50'x50')) and appears active.

10

Dumpsite (<2,500 s.f. (50'x50')) non-toxic material, does not appear to be used often, however clean-up would definitely be a benefit.

5

Dumpsite appears small (<1,000 s.f.) and material stable (will not likely be transported downstream by high water). Not high priority.

1

Note:

Photograph all recorded dump sites.

Head Cut ID	Photo #	Height	Impact Score
Ex. ABC01.H##		Decimal Feet	(See Below)

Scoring:

Height < 0.5' or Inactive (Do not Record)

1

Height = 1'

3

Height = 2'

5

Height >2'

10

Note : Photograph all recorded head cuts.

PIPES/DRAINAGE DITCHES

Reach ID(s): _____

Watershed: _____

Stream(s): _____

Date: _____

Investigators: _____

[illegible]

Scoring:

Ditch or Pipe is causing a significant erosion problem to stream bank or stream and/or discharge is coming from pipe that may not be stormwater.

10

Ditch or Pipe is causing moderate erosion problem and should be fixed, it may get worse if left unattended.
OR Discharge may be coming from pipe, probably stormwater - unsure without further investigation.

5

Ditch or Pipe is not causing erosion problem and no discharge is occurring. [no picture needed]

0

Notes:

1. Please document all pipes and drainage ditches, with scores greater than 2
2. Photographs scores greater than 2.

PUBLIC UTILITY LINES

Reach ID(s): _____

Watershed: _____

Stream(s): _____

Date: _____

Investigators: _____

[illegible]

Scoring:

Line is leaking. 20

Exposed line causing a significant erosion problem &/or obstruction (blockage) OR sanitary line potential to burst/leak appears high.

Half exposed line causing moderate erosion problem. 7

Line is partially visible however mostly buried in stream bed little if any erosion.

Line is exposed but stabilized with concrete lining and stable anchoring into the bank

Note:

Photograph scores greater than 2.

Log manholes only if they are surcharging or impacting the stream.

Utility

Utility

ROAD AND OTHER CROSSINGS

Reach ID(s): _____

Date: _____

Watershed: _____

Investigators: _____

Stream(s): _____

Note: Also record on head cut sheet if crossing is part of head cut.

Crossing ID Ex. ABC01.C##	Photo #	Crossing Type	Conveyance Material	Number of Barrels	Width or Diameter of Barrel (ft)	Height of Barrel (ft)	Conveyance Length (ft)	Upstream Conditions					Downstream Conditions					Impact Score
								Debris	Sediment	Bank Erosion	Bed Erosion (Specify Height, ft)	Structural Condition *	Debris	Sediment	Bank Erosion	Bed Erosion (Specify Height, ft)	Structural Condition *	
		Box Elliptical Circular Bridge Ft. Bridge Ford Dam	Concrete CMP Plastic Wood Natural Other ____					none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	
		Box Elliptical Circular Bridge Ft. Bridge Ford Dam	Concrete CMP Plastic Wood Natural Other ____					none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	
		Box Elliptical Circular Bridge Ft. Bridge Ford Dam	Concrete CMP Plastic Wood Natural Other ____					none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	
		Box Elliptical Circular Bridge Ft. Bridge Ford Dam	Concrete CMP Plastic Wood Natural Other ____					none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	
		Box Elliptical Circular Bridge Ft. Bridge Ford Dam	Concrete CMP Plastic Wood Natural Other ____					none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	none low medium high	none low medium high	none low medium high	none low medium high Height ____	none low medium high	

Impact Score

Offline Wetland Potential

Crossing ID (use for GIS/map ID)	Photo #	Bank Height, ft	Bank Slope, ft/ft	Length, ft	Width, ft

Extreme – Condition of debris, sediment, or erosion poses immediate threat to structural stability of road or other structure. Major repair will be needed if problem is not addressed.

10

Severe – Condition probably poses threat to road or other structure. Problem should be addressed to avoid bigger problem in the future.

7

Moderate – Condition does not appear to pose threat to road or other structure, but should be addressed to enhance stream integrity and future stability of structure.

5

Minor – Condition is noticeable, but may not warrant repair.

2

*Does not affect score.

Note:

1. Photograph all recorded crossings.